

L Number	Hits	Search Text	DB	Time stamp
1	22	US-3367868-\$.DID. OR US-4169904-\$.DID. OR US-4659633-\$.DID. OR US-4757145-\$.DID. OR US-4786544-\$.DID. OR US-4816334-\$.DID. OR US-5000864-\$.DID. OR US-5030494-\$.DID. OR US-5049410-\$.DID. OR US-5091249-\$.DID. OR US-5124058-\$.DID.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 05:53
2	16	US-5211861-\$.DID. OR US-5435927-\$.DID. OR US-5453539-\$.DID. OR US-5456980-\$.DID. OR US-5525392-\$.DID. OR US-5858536-\$.DID. OR US-6071609-\$.DID. OR US-6093495-\$.DID.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 05:53
3	38	(US-3367868-\$.DID. OR US-4169904-\$.DID. OR US-4659633-\$.DID. OR US-4757145-\$.DID. OR US-4786544-\$.DID. OR US-4816334-\$.DID. OR US-5000864-\$.DID. OR US-5030494-\$.DID. OR US-5049410-\$.DID. OR US-5091249-\$.DID. OR US-5124058-\$.DID.) or (US-5211861-\$.DID. OR US-5435927-\$.DID. OR US-5453539-\$.DID. OR US-5456980-\$.DID. OR US-5525392-\$.DID. OR US-5858536-\$.DID. OR US-6071609-\$.DID. OR US-6093495-\$.DID.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 07:20
4	3	"01159830"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 07:44
5	2	3847978.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 07:52
6	176	562/586.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 07:52
7	638	perfluorinated adj polyether	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 07:53
8	9	562/586.ccls. and (perfluorinated adj polyether)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 08:43
9	2	5830577.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 08:13
10	2	6673397.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 09:10
11	2	5328948.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 08:54
12	989	fomblin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 08:54
13	529818	acetate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 08:56
14	369	fomblin and acetate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 08:54
15	27	fomblin same acetate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 08:55

16	58031	sodium adj acetate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 08:57
18	0	(sodium adj acetate) same fomblin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 08:57
17	26	(sodium adj acetate) and fomblin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 08:57
19	2	6638622.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 09:25
20	43062	cation adj exchange	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 09:26
21	8	fomblin and (cation adj exchange)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 09:31
22	0	perfluorinatedpolyether	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 09:32
23	5051	perfluoropolyether	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 09:34
24	1	(sodium adj acetate) same perfluoropolyether	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 09:33
25	1067	acetate and perfluoropolyether	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 09:35
26	86	acetate same perfluoropolyether	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 09:35
27	102774	carboxylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 09:35
28	44	perfluoropolyether near2 carboxylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 10:22
29	2	5068135.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/24 10:22
30	5	5068135.URPN.	USPAT	2004/08/24 10:27
31	1		USPAT	2004/08/24 10:40
32	1		USPAT	2004/08/24 10:42
33	1		USPAT	2004/08/24 10:43
34	1		USPAT	2004/08/24 10:44
35	1		USPAT	2004/08/24 10:44
36	1		USPAT	2004/08/24 10:45
37	1		USPAT	2004/08/24 10:46
38	1		USPAT	2004/08/24 10:46

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	BRS	L1	22	US-3367868-\$.DID. OR US-4169904-\$.DID. OR US-4659633-\$.DID. OR US-4757145-\$.DID. OR US-4786544-\$.DID. OR US-4816334-\$.DID. OR US-5000864-\$.DID. OR US-5030494-\$.DID. OR US-5049410-\$.DID. OR US-5091249-\$.DID. OR US-5124058-\$.DID.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 05:53		
2	BRS	L2	16	US-5211861-\$.DID. OR US-5435927-\$.DID. OR US-5453539-\$.DID. OR US-5456980-\$.DID. OR US-5525392-\$.DID. OR US-5858536-\$.DID. OR US-6071609-\$.DID. OR US-6093495-\$.DID.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 05:53		
3	BRS	L3	38	11 or 12	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 07:20		
4	BRS	L4	3	"01159830"	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 07:44		
5	BRS	L5	2	3847978.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 07:52		
6	BRS	L6	176	562/586.ccls.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 07:52		
7	BRS	L7	638	perfluorinated adj polyether	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 07:53		

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5	0
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7	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
8	BRS	L8	9	16 and 17	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 08:43		
9	BRS	L9	2	5830577.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 08:13		
10	BRS	L10	2	6673397.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 09:10		
11	BRS	L11	2	5328948.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 08:54		
12	BRS	L12	989	fomblin	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 08:54		
13	BRS	L13	52981 8	acetate	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 08:56		
14	BRS	L14	369	112 and 113	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 08:54		

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16	BRS	L16	58031	sodium adj acetate	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 08:57		
17	BRS	L18	0	116 same 112	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 08:57		
18	BRS	L17	26	116 and 112	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 08:57		
19	BRS	L19	2	6638622.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 09:25		
20	BRS	L20	43062	cation adj exchange	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 09:26		
21	BRS	L21	8	112 and 120	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 09:31		

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21	0



	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
22	BRS	L22	0	perfluorinatedpolyether	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 09:32		
23	BRS	L23	5051	perfluoropolyether	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 09:34		
24	BRS	L24	1	116 same 123	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 09:33		
25	BRS	L25	1067	113 and 123	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 09:35		
26	BRS	L26	86	113 same 123	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 09:35		
27	BRS	L27	10277 4	carboxylate	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 09:35		
28	BRS	L28	44	123 near2 127	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 10:22		

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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
29	BRS	L29	2	5068135.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/24 10:22		
30	BRS	L30	5	5068135.URPN.	USPAT	2004/08/24 10:27		
31	BRS	L31	1	"3242218".PN.	USPAT	2004/08/24 10:40		
32	BRS	L32	1	"3250808".PN.	USPAT	2004/08/24 10:42		
33	BRS	L33	1	"3665041".PN.	USPAT	2004/08/24 10:43		
34	BRS	L34	1	"3810874".PN.	USPAT	2004/08/24 10:44		
35	BRS	L35	1	"3872058".PN.	USPAT	2004/08/24 10:44		
36	BRS	L36	1	"3988278".PN.	USPAT	2004/08/24 10:45		
37	BRS	L37	1	"4054592".PN.	USPAT	2004/08/24 10:46		
38	BRS	L38	1	"4046944".PN.	USPAT	2004/08/24 10:46		

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38	0

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SDIs in CAplus  
NEWS 6 May 27 CAplus super roles and document types searchable in REGISTRY  
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with the 228th ACS National Meeting  
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fields  
NEWS 12 AUG 02 CAplus and CA patent records enhanced with European and Japan  
Patent Office Classifications  
NEWS 13 AUG 02 STN User Update to be held August 22 in conjunction with the  
228th ACS National Meeting  
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FILE 'HOME' ENTERED AT 07:35:20 ON 24 AUG 2004

=> file reg

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SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

DICTIONARY FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.42	0.63

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 07:35:53 ON 24 AUG 2004

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FILE COVERS 1907 - 24 Aug 2004 VOL 141 ISS 9

FILE LAST UPDATED: 23 Aug 2004 (20040823/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> perfluorinated polyether

4681 PERFLUORINATED

68892 POLYETHER

51511 POLYETHERS

78016 POLYETHER

(POLYETHER OR POLYETHERS)

L1 218 PERFLUORINATED POLYETHER

(PERFLUORINATED(W) POLYETHER)

=> carbox?

L2 529261 CARBOX?

=> l1 and l2

L3 19 L1 AND L2

=> acetate

473897 ACETATE

27057 ACETATES

L4 484931 ACETATE

(ACETATE OR ACETATES)

=> l3 and l4

L5 1 L3 AND L4

=> d l5 ti fbib abs

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

TI **Perfluorinated polyethers** with metal

**carboxylate** end groups as anti-wetting and corrosion-protective agents

AN 2002:522473 CAPLUS

DN 137:79650

TI **Perfluorinated polyethers** with metal

**carboxylate** end groups as anti-wetting and corrosion-protective agents

IN Dai, Qing; Kasai, Paul Haruo; Tang, Wing Tsang

PA Hitachi Global Storage Technologies, USA

SO U.S. Pat. Appl. Publ., 17 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 2002090536	A1	20020711	US 2001-759117	20010111
	US 6638622	B2	20031028		
	US 2004023033	A1	20040205	US 2003-632404	20030731
				US 2001-759117	A3 20010111
	US 2004021984	A1	20040205	US 2003-632486	20030731
				US 2001-759117	A3 20010111
	US 2004023076	A1	20040205	US 2003-632723	20030731
				US 2001-759117	A3 20010111

AB A process is provided for synthesizing metal salts of

**perfluorinated polyethers** containing at least one

**carboxylic** acid group. The polymeric salts so provided are

effective as anti-wetting and corrosion-protective agents. The metal

salts of **perfluorinated polyether** acids may be used to

prepare corrosion-protected substrates, including magnetic recording disks

and magnetic recording heads. Thus, mixing 25 g Demnum SH (

**perfluorinated polyether** acid) with 2 g Na

**acetate** at 140-150° for 3 days until bubbling stopped

completely, transferring the mixture to an Erlenmeyer flask, adding 50 cm3

FC72 (perfluorohexane), heating at reflux until smooth, transferring the

mixture to a separatory funnel, adding 50 cm3 FC72, 50 cm3 MeOH (for removal

of excess Na-**acetate**), and 10 cm3 trifluoroethanol (for

minimizing gel formation), shaking, standing overnight, and separating gave a

lower layer containing Demnum SH salt for anti-wetting and

corrosion-protective agent.

=> sodiumd 13 11-19 ti

MISSING OPERATOR SODIUMD L3

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d 13 11-19 ti

L3 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Characterization of micellar solutions of **perfluorinated polyethers** by electron paramagnetic resonance spectroscopy: limits and reliability

L3 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Functionalized fluoropolyethers

L3 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Photochemical fluorination of perfluoropolyether functional derivatives

L3 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Process for chemically bonding a lubricant to a magnetic disk

L3 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Low-temperature elastomeric polyamides containing **perfluorinated polyether** building blocks

L3 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Study of the oxidative thermal stability of ethers and esters by differential scanning calorimetry

L3 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Perfluorinated linear polyethers having reactive terminal groups at both ends of the chain

L3 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Perfluorinated straight-chain polyethers and copolyethers and their mixtures

L3 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Cycloadditions. XII. The relative reactivity of carbethoxycarbene and carbethoxynitrene in cycloadditions with aromatics

=> d 13 11,12,17,18 ti fbib abs

L3 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Characterization of micellar solutions of **perfluorinated polyethers** by electron paramagnetic resonance spectroscopy: limits and reliability

AN 1991:537176 CAPLUS

DN 115:137176

TI Characterization of micellar solutions of **perfluorinated polyethers** by electron paramagnetic resonance spectroscopy: limits and reliability

AU Ristori, Sandra; Ottaviani, M. Francesca; Lenti, Daria; Martini, Giacomo

CS Dep. Chem., Univ. Florence, Florence, 50121, Italy

SO Langmuir (1991), 7(9), 1958-62

CODEN: LANGD5; ISSN: 0743-7463

DT Journal

LA English

AB The micelle formation of hexafluoropropylene oxide-based

**perfluorinated polyether carboxylates** in the

form of the NH<sub>4</sub> salt (A) in water was studied by surface tension

measurements and by ESR of large cationic and neutral nitroxides able to



interact with the micelles or to be imbedded in their networks. The surface tension behavior indicated the formation of 2 different kinds of micelles in the [A] range  $3 + 10^{-5}$  -  $2 + 10^{-4}$  mol/L (spherical micelles) and at  $[A] \geq 2 + 10^{-4}$  mol/L (nonspherical micelles), as often observed for perfluorinated surfactants. The ESR results from the cationic spin probe CAT-12 indicated that strong perturbations occurred in the system when the probe was used in concns. near the A critical micelle concentration, whereas mixed aggregates were formed at  $[A] \geq 2 + 10^{-4}$  mol/L. Only at  $[A]/[CAT-12]$  ratios  $>20-25$  did the nitroxide act as a true probe and the ESR was a useful tool for dynamic and structural studies. Mixed micelles were not observed with the neutral, Tempol alkanoate probes, which were therefore good probes for the characterization of the micelle shape. A comparison was made with results obtained with the small, pos. 4-(trimethylammonio)-2,2,6,6-tetramethyl-1-piperidinyloxy probe.

L3 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Functionalized fluoropolyethers  
 AN 1990:592231 CAPLUS  
 DN 113:192231  
 TI Functionalized fluoropolyethers  
 IN Marchionni, Giuseppe; Gavezotti, Piero; Strepparola, Ezio  
 PA Ausimont S.r.l., Italy  
 SO S. African, 32 pp.  
 CODEN: SFXXAB

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ZA 8903233	A	19900328	ZA 1989-3233	19890502
				IT 1989-47869	A 19890420
	RU 2034000	C1	19950430	RU 1989-4614254	19890428
				IT 1989-47869	A 19890420
	CA 1336908	A1	19950905	CA 1989-598196	19890428
				IT 1989-47869	A 19890420
	EP 393230	A2	19901024	EP 1989-107956	19890502
	EP 393230	A3	19910502		
	EP 393230	B1	19951115		
	R: BE, DE, ES, FR, GB, NL, SE				
	AU 8933964	A1	19901025	IT 1989-47869	A 19890420
	AU 619286	B2	19920123	AU 1989-33964	19890502
				IT 1989-47869	A 19890420
	JP 03197436	A2	19910828	JP 1989-113553	19890502
				IT 1989-47869	A 19890420
	IL 90155	A1	19940412	IL 1989-90155	19890502
				IT 1989-47869	A 19890420
	CZ 280100	B6	19951018	CZ 1989-2695	19890502
				IT 1989-47869	A 19890420
	ES 2079360	T3	19960116	ES 1989-107956	19890502
				IT 1989-47869	A 19890420
	US 5446205	A	19950829	US 1994-209497	19940224
				IT 1989-47869	A 19890420
				US 1989-346480	B1 19890502
				US 1990-614551	B1 19901115
				US 1991-727309	B1 19910710
				US 1992-872209	B1 19920422
	US 5714637	A	19980203	US 1995-458330	19950602
				IT 1989-47869	A 19890420
				US 1989-346480	A1 19890502
				US 1990-614551	A1 19901115
				US 1991-727309	A1 19910710

US 6156937	A	20001205	US 1992-872209	A1 19920422
			US 1994-209497	A3 19940224
			US 1998-9740	19980120
			IT 1989-47869	A 19890420
			US 1989-346480	B1 19890502
			US 1990-614551	B1 19901115
			US 1991-727309	B1 19910710
			US 1992-872209	B1 19920422
			US 1994-209497	A3 19940224
			US 1995-458330	A3 19950602

AB Polyethers containing perfluorooxylakylene units (e.g. perfluoropropyleneoxy, perfluoroethyleneoxy and perfluoromethyleneoxy) and functional end groups (e.g. phthalimido and acyl chloride group) are prepared. Thus, 17 g mixed acids of ClC3F6O(C3F6O)0.85(CF2O)0.02CF2COOH (I) was heated with P2O5 at 100-200° to give an anhydride. Heating the mixed I with thionyl chloride gave an acid chloride, which on mixing with benzene in CH2Cl2 in the presence of AlCl3 at 0° for 4 h gave ClC2F6O(C3F6O)0.85(CF2O)0.02CF2COPh.

L3 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Perfluorinated linear polyethers having reactive terminal groups at both ends of the chain

AN 1975:594115 CAPLUS

DN 83:194115

TI Perfluorinated linear polyethers having reactive terminal groups at both ends of the chain

IN Sianesi, Dario; Caporiccio, Gerardo; Mensi, Domenico

PA Montedison S.p.A., Italy

SO U.S., 14 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 3847978	A	19741112	US 1969-834486	19690618
				US 1968-787309	19681226

AB Perfluorinated linear polyethers containing peroxidic linkages were chain-cleaved by reducing agents to give bifunctional perfluorinated linear oligopolyethers with chemical-reactive terminal groups. Thus, hexafluoropropene [116-15-4] was treated with oxygen under the influence of uv light to give a peroxidized poly(perfluoropropylene oxide) [25038-02-2] which was reduced by H over a Pd catalyst to give a series of **carboxy**- and trifluoroacetyl-terminated oligopolyethers. One of these, CF3COCF2O(C3F6O)2CF(CF3)CO2H [42775-40-6], boiling point 210-2°, formed a polymer with hexamethylenediamine [55809-69-3].

L3 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN

TI Perfluorinated straight-chain polyethers and copolyethers and their mixtures

AN 1972:100375 CAPLUS

DN 76:100375

TI Perfluorinated straight-chain polyethers and copolyethers and their mixtures

IN Sianesi, Dario; Caporiccio, Gerardo; Mensi, Domenico

PA Montecatini Edison S.p.A.

SO Ger. Offen., 49 pp. Division of Ger. Offen. 1,816,752 (CA 72;79666g).

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----

PI	DE 1817826	B2	19771013	DE 1968-1817826	19681223
				IT 1967-24439	19671228
	NL 6818169	A	19690701	NL 1968-18169	19681218
				IT 1967-24439	19671228
	FR 1603991	A	19710621	FR 1968-1603991	19681223
				IT 1967-24439	19671228
	BE 725982	A	19690624	BE 1968-725982	19681224
				IT 1967-24439	19671228
	JP 50007054	B4	19750320	JP 1968-94881	19681224
				IT 1967-24439	19671228

AB The title polymers contain <50 CF<sub>2</sub>CF(CF<sub>3</sub>)O, CF<sub>2</sub>CF<sub>2</sub>O, and/or CF<sub>2</sub>O units/mol., contain 1-2 OCF<sub>2</sub>COR or OCF(CF<sub>3</sub>)COR end groups and 0-1 CF<sub>2</sub>COR, CF(CF<sub>3</sub>)COR, or CF<sub>2</sub>COCF<sub>3</sub> end groups where R = F, OH, or alkoxy, and are useful for increasing the oil and water repellency of textiles. Thus, C<sub>3</sub>F<sub>6</sub> is treated with O to prepare a peroxide-containing **perfluorinated polyether** (d.p. 40-45) which is reduced with H over Pd to prepare CF<sub>3</sub>COCF<sub>2</sub>O[CF(CF<sub>3</sub>)CF<sub>2</sub>O]<sub>3-4</sub>CF(CF<sub>3</sub>)CO<sub>2</sub>H containing small amts. of dicarboxylic acids such as HO<sub>2</sub>C[CF<sub>2</sub>OCF(CF<sub>3</sub>)]<sub>2</sub>CO<sub>2</sub>H.

=> d 13 1-10 ti

L3 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Compositions for aqueous delivery of fluorinated silanes

L3 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI **Perfluorinated polyethers** with metal **carboxylate** end groups as anti-wetting and corrosion-protective agents

L3 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Photooxidation of functionalized **perfluorinated polyethers-II**

L3 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI The use of carbon-13 NMR spectroscopy to determine the end groups in perfluoropolyethers (PFPEs).

L3 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Reactions of perfluoropolyether (PFPE) acids and their corresponding salts.

L3 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Purification of vinyl group-containing, amide-terminated fluorinated polyethers by converting **carboxylate** residues with amines

L3 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Cleaning solutions for magnetic heads and magnetic heads cleaned by the solutions

L3 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Liquid-phase fluorination

L3 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Fluorine-containing organosilicon compounds

L3 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Small angle scattering study of perfluoropolyethers/water systems

=>

=> d 13 5 ti fbib abs

L3 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Reactions of perfluoropolyether (PFPE) acids and their corresponding salts.  
AN 1998:528020 CAPLUS  
TI Reactions of perfluoropolyether (PFPE) acids and their corresponding salts.  
AU Howell, Jon L.; Hofmann, Michael A.; Waterfeld, Alfred; Sipyagin, Alexey M.; Friesen, Chadron M.; Thrasher, Joseph S.  
CS Jackson Laboratory, E. I. du Pont de Nemours and Co., Deepwater, NJ, 08203, USA  
SO Book of Abstracts, 216th ACS National Meeting, Boston, August 23-27 (1998), POLY-307 Publisher: American Chemical Society, Washington, D. C. CODEN: 66KYA2  
DT Conference; Meeting Abstract  
LA English  
AB **Perfluorinated polyethers** are an important class of compds., functioning as chemical inert, high-temperature lubricants and fluids and

high-temperature greases for corrosive environments. Although not well studied, the reactions of both perfluoroalkyl **carboxylic** acids and poly-hexafluoropropylene oxide (poly-HFPO) **carboxylic** acids in basic, protic media are reported to produce carbon dioxide and the corresponding hydro terminated perfluoroalkane/alkylether [HEC .tplbond. hydro end cap, -CF(RF)H where RF = F, CF3, etc.]. We revisited the decarboxylation and fluorination reactions of poly-HFPO **carboxylic** acids in an effort to better understand the chemical, and along the way we discovered products with two new types of end groups, namely the iso-Pr alkoxy hydro [IPA-H .tplbond. -O-CF(CF3)CF2H] and the iso-Pr alkoxy [IPA .tplbond. -O-CF(CF3)2] end groups. These secondary products appear to be the result of radical reactions following an unexpected  $\beta$ -scission. The presence of these end groups was definitively shown through the use of gas chromatog., gas chromatog.-chemical ionization mass spectrometry, and <sup>13</sup>C-NMR spectroscopy. An overview of this study will be presented.

=> d his

(FILE 'HOME' ENTERED AT 07:35:20 ON 24 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:35:26 ON 24 AUG 2004

FILE 'CAPLUS' ENTERED AT 07:35:53 ON 24 AUG 2004

L1 218 PERFLUORINATED POLYETHER  
L2 529261 CARBOX?  
L3 19 L1 AND L2  
L4 484931 ACETATE  
L5 1 L3 AND L4

=> l0l and l4

78 L01  
L6 0 L01 AND L4

=> l1 and l4

L7 8 L1 AND L4

=> l7 not l5

L8 7 L7 NOT L5

=> d l8 1-7 ti

L8 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Ambifunctional **perfluorinated polyethers** useful for

release films and adhesive tapes

L8 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Cell growth substrate polymers for corneal implants

L8 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Polymerizable perfluoroalkylether macromer

L8 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Perfluoroalkylether macromer having two polymerizable groups

L8 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Lubricants for magnetic recording disks consisting of electrostatically adhering host-guest compounds containing oriented lubricating functionality.

L8 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Low glass transition temperature fluorocarbon ether bibenzoxazole polymers

L8 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
TI **Perfluorinated polyethers** useful as surfactants

=> d 18 1,-7 ti fbib abs

L8 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Ambifunctional **perfluorinated polyethers** useful for release films and adhesive tapes

AN 2002:31551 CAPLUS

DN 136:86913

TI Ambifunctional **perfluorinated polyethers** useful for release films and adhesive tapes

IN Malik, Ranjit

PA Adhesives Research, Inc., USA

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002002668	A2	20020110	WO 2001-US21143	20010703
	WO 2002002668	A3	20020613		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
				US 2000-609385	A 20000703
	US 6558803	B1	20030506	US 2000-609385	20000703
	US 2003180467	A1	20030925	US 2003-390889	20030319
	US 6673397	B2	20040106		
				US 2000-609385	A3 20000703
AB	A novel crosslinkable ambifunctional <b>perfluorinated polyether</b> is provided wherein the polyether is defined by the formula $X_1(CaF_2aO)_nX_2$ where $X_1$ and $X_2$ are different functional terminal groups which are capable of forming a crosslinked <b>perfluorinated polyether</b> by addition, condensation or ring-opening reaction, and $n$ ranges from 1 to 2000 and $a$ is an integer of from 1 to 4. The mole ratio				

of X1 and X2 is 1:1. A release film may be formed from the cross-linked **perfluorinated polyether**. Thus, 1 kg HOCH<sub>2</sub>CF<sub>2</sub>O(CF<sub>2</sub>CF<sub>2</sub>O)<sub>m</sub>(CF<sub>2</sub>O)<sub>n</sub>CF<sub>2</sub>CH<sub>2</sub>OH was reacted with 123.5 g 3-(triethoxysilyl)propylisocyanate in the presence of Tyzor AA catalyst to give an ambifunctional perfluoropolyether, 2950 g of which was mixed with 660 g SST 4, coated on a polyester, and cured at 320°F.

L8 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Ambifunctional **perfluorinated polyethers** useful for release films and adhesive tapes  
 AN 2002:31551 CAPLUS  
 DN 136:86913  
 TI Ambifunctional **perfluorinated polyethers** useful for release films and adhesive tapes  
 IN Malik, Ranjit  
 PA Adhesives Research, Inc., USA  
 SO PCT Int. Appl., 21 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002002668	A2	20020110	WO 2001-US21143	20010703
	WO 2002002668	A3	20020613		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 6558803	B1	20030506	US 2000-609385	A 20000703
	US 2003180467	A1	20030925	US 2000-609385	20000703
	US 6673397	B2	20040106	US 2003-390889	20030319
				US 2000-609385	A3 20000703

AB A novel crosslinkable ambifunctional **perfluorinated polyether** is provided wherein the polyether is defined by the formula X<sub>1</sub>(CaF<sub>2</sub>aO)<sub>n</sub>X<sub>2</sub> where X<sub>1</sub> and X<sub>2</sub> are different functional terminal groups which are capable of forming a crosslinked **perfluorinated polyether** by addition, condensation or ring-opening reaction, and n ranges from 1 to 2000 and a is an integer of from 1 to 4. The mole ratio of X<sub>1</sub> and X<sub>2</sub> is 1:1. A release film may be formed from the cross-linked **perfluorinated polyether**. Thus, 1 kg HOCH<sub>2</sub>CF<sub>2</sub>O(CF<sub>2</sub>CF<sub>2</sub>O)<sub>m</sub>(CF<sub>2</sub>O)<sub>n</sub>CF<sub>2</sub>CH<sub>2</sub>OH was reacted with 123.5 g 3-(triethoxysilyl)propylisocyanate in the presence of Tyzor AA catalyst to give an ambifunctional perfluoropolyether, 2950 g of which was mixed with 660 g SST 4, coated on a polyester, and cured at 320°F.

L8 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Cell growth substrate polymers for corneal implants  
 AN 1996:746203 CAPLUS  
 DN 126:22910  
 TI Cell growth substrate polymers for corneal implants  
 IN Meijs, Gordon Francis; Laycock, Bronwyn Glenice; Griffiths, Madeleine Clare; Cheong, Edith; Steele, John Gerard; Johnson, Graham  
 PA Ciba-Geigy A.-G., Switz.; Commonwealth Scientific and Industrial Research Organization  
 SO PCT Int. Appl., 46 pp.  
 CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9631548	A1	19961010	WO 1996-EP1340	19960327
	W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
				AU 1995-2160	A 19950404
				AU 1995-3025	A 19950517
	CA 2215138	AA	19961010	CA 1996-2215138	19960327
				AU 1995-2160	A 19950404
				AU 1995-3025	A 19950517
	AU 9651490	A1	19961023	AU 1996-51490	19960327
	AU 707836	B2	19990722		
				AU 1995-2160	A 19950404
				AU 1995-3025	A 19950517
				WO 1996-EP1340	W 19960327
	EP 819141	A1	19980121	EP 1996-908142	19960327
	EP 819141	B1	19991222		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
				AU 1995-2160	A 19950404
				AU 1995-3025	A 19950517
				WO 1996-EP1340	W 19960327
	CN 1180361	A	19980429	CN 1996-192999	19960327
	CN 1121430	B	20030917		
				AU 1995-2160	A 19950404
	BR 9604857	A	19980526	BR 1996-4857	19960327
				AU 1995-2160	A 19950404
				WO 1996-EP1340	W 19960327
	JP 11503473	T2	19990326	JP 1996-529948	19960327
				AU 1995-2160	A 19950404
				AU 1995-3025	A 19950517
				WO 1996-EP1340	W 19960327
	AT 187971	E	20000115	AT 1996-908142	19960327
				AU 1995-2160	A 19950404
				AU 1995-3025	A 19950517
				WO 1996-EP1340	W 19960327
	ES 2141485	T3	20000316	ES 1996-908142	19960327
				AU 1995-2160	A 19950404
				AU 1995-3025	A 19950517
	PT 819141	T	20000531	PT 1996-908142	19960327
				AU 1995-2160	A 19950404
				AU 1995-3025	A 19950517
	ZA 9602659	A	19961004	ZA 1996-2659	19960403
				AU 1995-2160	A 19950404
	TW 438847	B	20010607	TW 1997-86103441	19970319
				WO 1996-EP1340	A 19960327
	WO 9735904	A1	19971002	WO 1997-EP1408	19970320
	W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
				WO 1996-EP1340	A 19960327
				AU 1996-9146	A 19960404
				EP 1996-810644	A 19960930

WO 9735905	A1	19971002	WO 1997-EP1409	19970320
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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			WO 1996-EP1340	A 19960327
			AU 1996-9145	A 19960404
			EP 1996-810644	A 19960930
WO 9735906	A1	19971002	WO 1997-EP1410	19970320
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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			WO 1996-EP1340	A 19960327
			AU 1996-9145	A 19960404
			AU 1996-9146	A 19960404
			EP 1996-810644	A 19960930
AU 9720289	A1	19971017	AU 1997-20289	19970320
AU 716787	B2	20000309		
			WO 1996-EP1340	A 19960327
			AU 1996-9145	A 19960404
			AU 1996-9146	A 19960404
			EP 1996-810644	A 19960930
AU 9721582	A1	19971017	WO 1997-EP1410	W 19970320
AU 717979	B2	20000406	AU 1997-21582	19970320
			WO 1996-EP1340	A 19960327
			AU 1996-9146	A 19960404
			EP 1996-810644	A 19960930
AU 9722897	A1	19971017	WO 1997-EP1408	W 19970320
AU 716443	B2	20000224	AU 1997-22897	19970320
			WO 1996-EP1340	A 19960327
			AU 1996-9145	A 19960404
			EP 1996-810644	A 19960930
EP 889923	A1	19990113	WO 1997-EP1409	W 19970320
EP 889923	B1	20031119	EP 1997-908274	19970320
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
			WO 1996-EP1340	W 19960327
			AU 1996-9145	A 19960404
			AU 1996-9146	A 19960404
			EP 1996-810644	A 19960930
EP 889924	A1	19990113	WO 1997-EP1410	W 19970320
EP 889924	B1	20030604	EP 1997-914274	19970320
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			WO 1996-EP1340	W 19960327
			AU 1996-9146	A 19960404
			EP 1996-810644	A 19960930
EP 889925	A1	19990113	WO 1997-EP1408	W 19970320
EP 889925	B1	20040602	EP 1997-915404	19970320
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			WO 1996-EP1340	W	19960327
			AU 1996-9145	A	19960404
			EP 1997-96810644	A	19970320
CN 1214708	A	19990421	WO 1997-EP1409	W	19970320
			CN 1997-193335		19970320
			WO 1996-EP1340	A	19960327
			AU 1996-9145	A	19960404
			EP 1996-810644	A	19960930
CN 1217003	A	19990519	CN 1997-193379		19970320
			WO 1996-EP1340	A	19960327
			AU 1996-9146	A	19960404
			EP 1996-810644	A	19960930
CN 1222169	A	19990707	CN 1997-193336		19970320
BR 9708355	A	19990803	WO 1996-EP1340	A	19960327
			BR 1997-8355		19970320
			WO 1996-EP1340	A	19960327
			AU 1996-9145	A	19960404
			EP 1996-810644	A	19960930
			WO 1997-EP1409	W	19970320
BR 9708357	A	19990803	BR 1997-8357		19970320
			WO 1996-EP1340	A	19960327
			AU 1996-9146	A	19960404
			EP 1996-810644	A	19960930
			WO 1997-EP1408	W	19970320
BR 9708363	A	19990803	BR 1997-8363		19970320
			WO 1996-EP1340	A	19960327
			AU 1996-9145	A	19960404
			AU 1996-9146	A	19960404
			EP 1996-810644	A	19960930
			WO 1997-EP1410	W	19970320
NZ 331734	A	20000128	NZ 1997-331734		19970320
			WO 1996-EP1340	A	19960327
			AU 1996-9145	\	19960404
			EP 1996-810644	W	19960930
			WO 1997-EP1409	A	19970320
NZ 332019	A	20000228	NZ 1997-332019		19970320
			WO 1996-EP1340	A	19960327
			AU 1996-9145	A	19960404
			AU 1996-9146	A	19960404
			EP 1996-810644	A	19960930
			WO 1997-EP1410	W	19970320
NZ 332034	A	20000228	NZ 1997-332034		19970320
			WO 1996-EP1340	A	19960327
			AU 1996-9146	A	19960404
			EP 1996-810644	A	19960930
			WO 1997-EP1408	W	19970320
JP 2000508005	T2	20000627	JP 1997-534011		19970320
			WO 1996-EP1340	W	19960327
			AU 1996-9146	A	19960404
			EP 1996-810644	A	19960930
			WO 1997-EP1408	W	19970320
JP 2000508006	T2	20000627	JP 1997-534012		19970320
			WO 1996-EP1340	W	19960327
			AU 1996-9145	A	19960404
			EP 1996-810644	A	19960930
			WO 1997-EP1409	W	19970320
JP 2000508682	T2	20000711	JP 1997-534013		19970320
			WO 1996-EP1340	W	19960327
			AU 1996-9145	A	19960404
			AU 1996-9146	A	19960404
			EP 1996-810644	A	19960930
			WO 1997-EP1410	W	19970320
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			WO 1996-EP1340	A	19960327
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			AT 1997-908274		19970320
			WO 1996-EP1340	A	19960327
			AU 1996-9145	A	19960404
			AU 1996-9146	A	19960404
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			WO 1996-EP1340	A	19960327
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ZA 9702605	A	19970929	ZA 1997-2605		19970326
			WO 1996-EP1340	A	19960327
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			AU 1995-2160	A	19950404
			AU 1995-3025	A	19950517
			WO 1996-EP1340	W	19960327
US 5994133	A	19991130	US 1998-793204		19980106
			AU 1995-2160	A	19950404
			AU 1995-3025	A	19950517
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			WO 1996-EP1340	W	19960327
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			AU 1996-9145	A	19960404
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			AU 1996-9146	A	19960404
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KR 2000004974	A	20000125	KR 1998-707584		19980925
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			AU 1996-9146	A	19960404
			EP 1996-810644	A	19960930
			KR 1998-707585		19980925
KR 2000004975	A	20000125	WO 1996-EP1340	W	19960327
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			EP 1996-810644	A	19960930
GR 3032585	T3	20000531	GR 2000-400280		20000204

AU 1995-2160 A 19950404  
 AU 1995-3025 A 19950517  
 WO 1996-EP1340 W 19960327

PATENT FAMILY INFORMATION:

FAN 1997:679025

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9735904	A1	19971002	WO 1997-EP1408	19970320
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
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			AU 1996-9146	A 19960404
			EP 1996-810644	A 19960930
WO 9631548	A1	19961010	WO 1996-EP1340	19960327
W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
			AU 1995-2160	A 19950404
			AU 1995-3025	A 19950517
CA 2248162	AA	19971002	CA 1997-2248162	19970320
			AU 1996-9146	A 19960404
AU 9721582	A1	19971017	EP 1996-810644	A 19960930
AU 717979	B2	20000406	AU 1997-21582	19970320
			WO 1996-EP1340	A 19960327
			AU 1996-9146	A 19960404
			EP 1996-810644	A 19960930
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EP 889924	A1	19990113	EP 1997-914274	19970320
EP 889924	B1	20030604		
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			EP 1996-810644	A 19960930
			WO 1997-EP1408	W 19970320
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			WO 1996-EP1340	A 19960327
			AU 1996-9146	A 19960404
			EP 1996-810644	A 19960930
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			WO 1996-EP1340	W 19960327
			AU 1996-9146	A 19960404
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			WO 1997-EP1408	W 19970320
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			AU 1996-9146	A 19960404
			EP 1996-810644	A 19960930

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			WO 1996-EP1340	A 19960327
			AU 1996-9146	A 19960404
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			AU 1996-9146	A 19960404
			EP 1996-810644	A 19960930
			WO 1997-EP1408	W 19970320
FAN 1997:679026				
PI WO 9735905	A1	19971002	WO 1997-EP1409	19970320
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
			WO 1996-EP1340	A 19960327
			AU 1996-9145	A 19960404
			EP 1996-810644	A 19960930
WO 9631548	A1	19961010	WO 1996-EP1340	19960327
W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
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			AU 1995-3025	A 19950517
CA 2248003	AA	19971002	CA 1997-2248003	19970320
			AU 1996-9145	A 19960404
			EP 1996-810644	A 19960930
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AU 716443	B2	20000224		
			WO 1996-EP1340	A 19960327
			AU 1996-9145	A 19960404
			EP 1996-810644	A 19960930
			WO 1997-EP1409	W 19970320
EP 889925	A1	19990113	EP 1997-915404	19970320
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			AU 1996-9145	A 19960404
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			BR 1997-8355	19970320
			WO 1996-EP1340	A 19960327
			AU 1996-9145	A 19960404
			EP 1996-810644	A 19960930
			WO 1997-EP1409	W 19970320
NZ 331734	A	20000128	NZ 1997-331734	19970320
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			WO 1997-EP1409	W	19970320

FAN 1997:679027

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

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AU 1996-9146	A	19960404
EP 1996-810644	A	19960930

WO 9631548	A1	19961010	WO 1996-EP1340	19960327
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CA 2248045	AA	19971002	EP 1996-810644	A	19960930
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			AU 1996-9145	A	19960404
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			AU 1996-9146	A	19960404
AU 9720289	A1	19971017	EP 1996-810644	A	19960930
AU 716787	B2	20000309	AU 1997-20289		19970320

WO 1996-EP1340	A	19960327
AU 1996-9145	A	19960404
AU 1996-9146	A	19960404
EP 1996-810644	A	19960930
WO 1997-EP1410	W	19970320
EP 1997-908274		19970320

EP 889923	A1	19990113
EP 889923	B1	20031119

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

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			AU 1996-9146	A	19960404
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			WO 1997-EP1410	W	19970320
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			WO 1997-EP1410	W	19970320
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			AU 1996-9146	A	19960404
			EP 1996-810644	A	19960930
			WO 1997-EP1410	W	19970320
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			AU 1996-9146	A	19960404
			EP 1996-810644	A	19960930
			WO 1997-EP1410	W	19970320
US 6160030	A	20001212	US 1999-155551		19990325
			AU 1996-9145	A	19960404
			AU 1996-9146	A	19960404
			EP 1996-810644	A	19960930
			WO 1997-EP1410	W	19970320

AB Cell growth substrate telechelic polymers are described which comprise a macromonomer of the formula:  $Q(PFPE \cdot L)_n - 1PFPE \cdot Q$ ,  $n =$  at least 1.0; PFPE = perfluoropolyether  $OCH_2CF_2O(CF_2CF_2O)_x(CF_2O)_yCF_2CH_2O$ , wherein the  $CF_2CF_2O$  and  $CF_2O$  units may be randomly distributed or distributed as blocks throughout the chain;  $x, y =$  may be the same or different such that the mol. weight of the perfluoropolyether is in the range of 242-4000;  $L =$  difunctional linking group;  $Q =$  a polymerizable group. Macromonomer containing isocyanatoethyl methacrylate, trimethylhexamethylene diisocyanate, and the perfluoropolyether L 12875 was prepared, polymerized, and evaluated for bovine corneal epithelial attachment for use in the production of corneal implants.

L8 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Polymerizable perfluoroalkylether macromer  
 AN 1996:716312 CAPLUS  
 DN 125:339138  
 TI Polymerizable perfluoroalkylether macromer  
 IN Meijs, Gordon Francis; Laycock, Bronwyn Glenice; Steele, John Gerard; Johnson, Graham  
 PA Ciba-Geigy A.-G., Switz.; Commonwealth Scientific and Industrial Research Organization  
 SO PCT Int. Appl., 34 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9631545	A1	19961010	WO 1996-EP1256	19960322
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	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
				AU 1995-2161	A 19950404
				AU 1995-3024	A 19950517
	CA 2215139	AA	19961010	CA 1996-2215139	19960322
				AU 1995-2161	A 19950404
				AU 1995-3024	A 19950517
	AU 9653338	A1	19961023	AU 1996-53338	19960322
				AU 1995-2161	A 19950404
				AU 1995-3024	A 19950517
	EP 819142	A1	19980121	WO 1996-EP1256	W 19960322
	EP 819142	B1	20001129	EP 1996-910005	19960322
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
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				AU 1995-3024	A 19950517
				WO 1996-EP1256	W 19960322
	JP 11509562	T2	19990824	JP 1996-529926	19960322
				AU 1995-2161	A 19950404
				AU 1995-3024	A 19950517
				WO 1996-EP1256	W 19960322
	AT 197805	E	20001215	AT 1996-910005	19960322
				AU 1995-2161	A 19950404
				AU 1995-3024	A 19950517
				WO 1996-EP1256	W 19960322
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				AU 1995-2161	A 19950404
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				AU 1995-2161	A 19950404
				AU 1995-3024	A 19950517
				WO 1996-EP1256	W 19960322
	US 5973089	A	19991026	US 1997-776997	19971222
				AU 1995-2161	A 19950404
				AU 1995-3024	A 19950517
				WO 1996-EP1256	W 19960322

AB Macromonomers: Q-B(L-B)<sub>n</sub>T are described, wherein n is at least 1.0; Q is a polymerizable group; B may be the same or different and is a difunctional block of mol. weight in the range of from 100 to 4000 and wherein at least one B is **perfluorinated polyether**: -OCH<sub>2</sub>CF<sub>2</sub>O(CF<sub>2</sub>O)<sub>x</sub>(CF<sub>2</sub>O)<sub>y</sub>CF<sub>2</sub>CH<sub>2</sub>- wherein the CF<sub>2</sub>CF<sub>2</sub>O and CF<sub>2</sub>O units may be randomly distributed or distributed as blocks throughout the chain and wherein x and y may be the same or different such that the mol. weight of the **perfluorinated polyether** is in the range of from 242 to 4,000; L a difunctional linking group; and T is a terminal group. These macromonomers may be used in the production of contact lenses, corneal implants, cell growth substrate or medical implant.

L8 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Perfluoroalkylether macromer having two polymerizable groups  
 AN 1996:716311 CAPLUS  
 DN 125:339137  
 TI Perfluoroalkylether macromer having two polymerizable groups  
 IN Meijs, Gordon Francis; Laycock, Bronwyn Glenice; Griffiths, Madeleine Clare; Cheong, Edith  
 PA Ciba-Geigy A.-G., Switz.; Commonwealth Scientific and Industrial Research

Organization  
 SO PCT Int. Appl., 33 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9631546	A1	19961010	WO 1996-EP1257	19960322
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	TW 387901	B	20000421	AU 1995-2159 TW 1995-84108481	A 19950404 19950815
	CA 2214537	AA	19961010	AU 1995-2159 CA 1996-2214537	A 19950404 19960322
	AU 9653339	A1	19961023	AU 1995-2159 AU 1996-53339	A 19950404 19960322
	AU 703423	B2	19990325		
	EP 819143	A1	19980121	AU 1995-2159 WO 1996-EP1257	A 19950404 W 19960322
	EP 819143	B1	19990901	EP 1996-910006	19960322
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	CN 1179785	A	19980422	AU 1995-2159 WO 1996-EP1257	A 19950404 W 19960322
	CN 1121429	B	20030917	CN 1996-192962	19960322
	BR 9604944	A	19980609	AU 1995-2159 BR 1996-4944	A 19950404 19960322
	JP 11503182	T2	19990323	AU 1995-2159 WO 1996-EP1257 JP 1996-529927	A 19950404 W 19960322 19960322
	AT 184029	E	19990915	AU 1995-2159 WO 1996-EP1257 AT 1996-910006	A 19950404 W 19960322 19960322
	ES 2136984	T3	19991201	AU 1995-2159 ES 1996-910006	A 19950404 19960322
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	NO 9704581	A	19971124	AU 1995-2159 NO 1997-4581	A 19950404 19971003
	US 5962611	A	19991005	AU 1995-2159 WO 1996-EP1257 US 1998-776996	A 19950404 W 19960322 19980126
	GR 3031642	T3	20000229	AU 1995-2159 WO 1996-EP1257 GR 1999-402731	A 19950404 W 19960322 19991027

AB A macromer is described: Q-(PFPE-L)<sub>n-1</sub>-PFPE-Q, wherein n > 1.0: PFPE may be the same or different and is a **perfluorinated polyether**: -OCH<sub>2</sub>CF<sub>2</sub>O(CF<sub>2</sub>CF<sub>2</sub>O)<sub>x</sub>(CF<sub>2</sub>O)<sub>y</sub>CF<sub>2</sub>CH<sub>2</sub>O-, wherein the CF<sub>2</sub>CF<sub>2</sub>O and CF<sub>2</sub>O units may be randomly distributed or distributed as blocks throughout the chain and wherein x and y may be the same or different such that the mol. weight of the PFPE is in the range of from 242 to 4000; L is a difunctional linking group; and Q may be the same or different and is a polymerizable group. The macromer may be used preferably in the production of contact lenses.



L8 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Lubricants for magnetic recording disks consisting of electrostatically adhering host-guest compounds containing oriented lubricating functionality.  
 AN 1995:733252 CAPLUS  
 DN 123:118173  
 TI Lubricants for magnetic recording disks consisting of electrostatically adhering host-guest compounds containing oriented lubricating functionality.  
 IN Yokoyama, Humiaki; Ikeuchi, Haruhiko; Teranishi, Yutaka; Murayama, Hideki; Sano, Keiichiro; Sawada, Kazuhiko  
 PA Mitsubishi Kasei Corp., Japan  
 SO Brit. UK Pat. Appl., 65 pp.  
 CODEN: BAXXDU  
 DT Patent  
 LA English  
 FAN.CNT 1

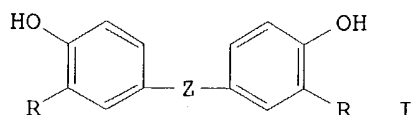
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2282147	A1	19950329	GB 1994-19666	19940928
	GB 2282147	B2	19980218		
				JP 1993-241472	A 19930928
				JP 1993-248310	A 19931004
				JP 1993-265080	A 19931022
				JP 1993-270573	A 19931028
				JP 1993-319762	A 19931220
				JP 1994-25582	A 19940223
				JP 1994-81741	A 19940420
				JP 1994-158756	A 19940711
	JP 07126675	A2	19950516	JP 1993-270573	19931028
	US 5830577	A	19981103	US 1996-669810	19960627
				JP 1993-241472	A 19930928
				JP 1993-248310	A 19931004
				JP 1993-265080	A 19931022
				JP 1993-270573	A 19931028
				JP 1993-319762	A 19931220
				JP 1994-25582	A 19940223
				JP 1994-81741	A 19940420
				JP 1994-158756	A 19940711
				US 1994-313909	A3 19940928
AB	Magnetic disks are coated with a solid- or liquid-phase lubricant comprising a guest-host complex, in which the guest component is a lubricant, that is adsorbed or trapped on the surface to be lubricated. The host is based on crown ether compds. (e.g., dibenzo-18-crown-6 ether, its 4,4'-diamino derivative, N,N'-dibenzyl-4,13-diaza-18-crown-6 ether or cycloinulohexaose), and the lubricant is stearic acid, K or Cu stearate, stearylamine, $\beta$ -(N,N-diheptadecylaminocarbonyl)propionic acid or its K or Ag salt, or a <b>perfluorinated polyether</b> . The components may be applied together (e.g., from a common solvent) or sequentially. The host component adheres electrostatically to the substrate (e.g., to a protective polar carbonaceous coating), in which the guest component is trapped at a suitable orientation for lubrication (i.e., in which a long alkyl chain is oriented perpendicular to the magnetic disk surface).				

L8 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Low glass transition temperature fluorocarbon ether bibenzoxazole polymers  
 AN 1979:72489 CAPLUS  
 DN 90:72489  
 TI Low glass transition temperature fluorocarbon ether bibenzoxazole polymers  
 AU Evers, Robert C.  
 CS Nonmet. Mater. Div., Air Force Mater. Lab., Wright-Patterson Air Force Base, OH, USA  
 SO Journal of Polymer Science, Polymer Chemistry Edition (1978), 16(11),

2833-48

CODEN: JPLCAT; ISSN: 0449-296X

DT Journal  
LA English  
GI



AB Fluorocarbon ether bis(aminophenol) monomers I ( $R = NH_2$ ,  $Z =$  divalent fluorocarbon ether radical) were prepared by Cu-promoted coupling of 4-iodophenyl **acetate** [33527-94-5] with  $\alpha,\omega$ -diiodo fluorocarbon ethers to give I ( $R = H$ ), nitrating to I ( $R = NO_2$ ), and reducing. The monomers were polycondensed with long-chain fluorocarbon ether diimide or dithioimide esters in the presence of AcOH to give linear fluorocarbon ether bibenzoxazole polymers which were rubbery gums with inherent viscosities 0.20-0.79 dL/g. The glass temps. were affected by the polymer structure, decreasing as the length of either fluorocarbon ether segment was increased, with the min. value obtained being  $-58^\circ$ . None of the products had a crystalline m.p. TGA data indicated that the thermal oxidation resistance decreased with increasing fluorocarbon ether content, with decomposition beginning at  $350-400^\circ$  in air for most polymers. The products had good resistance to heating at  $260^\circ$  in air, showing 5% weight loss after 200 h.

L8 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN  
TI **Perfluorinated polyethers** useful as surfactants  
AN 1969:412546 CAPLUS  
DN 71:12546  
TI **Perfluorinated polyethers** useful as surfactants  
IN Sianesi, Dario; Fontanelli, Renzo; Caporiccio, Gerardo  
PA Montecatini Edison S.P.A.  
SO Fr., 8 pp.  
CODEN: FRXXAK  
DT Patent  
LA French  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	FR 1537922		19680830		
				IT	19660722
				IT	19661216
	DE 1668368			DE	
	GB 1194431			GB	

AB The title compds. are prepared Thus, 30 cc. 2N KOH and 20 g. 4,7-dioxa-5-(perfluoromethyl)perfluoro-2-octanone was heated 1 hr. at  $50-60^\circ$  with the evolution of 0.65 g. CHF<sub>3</sub>. Distillation and rectification yielded 8.7 g. 2,5-dioxa-3-(perfluoromethyl)-1H-perfluorohexane, b.  $54-6^\circ$ . Similarly prepared were Na perfluoromethoxy **acetate**, 3,6-dioxa-4-(perfluoromethyl)perfluoroheptanoic acid, 2,5,8-trioxa-3,6-bis(perfluoromethyl)-1H-perfluorononane, 3,6,9-trioxa-4,7-bis(perfluoromethyl)-perfluorodecanoic acid, 2,6,10,14-tetraoxaperfluoropentadecane, 3,6,-9,12-tetraoxa-4,7,10-tris(perfluoromethyl)perfluorotridecanoic acid, 3,7,11,13-tetraoxaperfluorotetradecanoic acid, and 3,7,11,13-tetraoxa-2-(perfluoromethyl)perfluorotetradecanoic acid.

=> 99logoff hold  
0 99LOGOFF  
32442 HOLD  
22816 HOLDS  
54445 HOLD  
(HOLD OR HOLDS)  
L9 0 99LOGOFF HOLD  
(99LOGOFF(W)HOLD)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	90.96	91.59
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-9.80	-9.80

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 08:14:15 ON 24 AUG 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
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FILE 'CAPLUS' ENTERED AT 08:37:30 ON 24 AUG 2004  
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	90.96	91.59
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-9.80	-9.80

=> fomblin  
1101 FOMBLIN  
1 FOMBLINS  
L10 1101 FOMBLIN  
(FOMBLIN OR FOMBLINS)

=> d his

(FILE 'HOME' ENTERED AT 07:35:20 ON 24 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:35:26 ON 24 AUG 2004

FILE 'CAPLUS' ENTERED AT 07:35:53 ON 24 AUG 2004

L1 218 PERFLUORINATED POLYETHER  
L2 529261 CARBOX?  
L3 19 L1 AND L2  
L4 484931 ACETATE  
L5 1 L3 AND L4

L6 0 L01 AND L4  
L7 8 L1 AND L4  
L8 7 L7 NOT L5  
L9 0 99LOGOFF HOLD  
L10 1101 FOMBLIN

=> 14 and 110

L11 26 L4 AND L10

=> 14(1)110

L12 8 L4(L) L10

=> d 112 18 ti

8 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE  
The answer numbers requested are not in the answer set.  
ENTER ANSWER NUMBER OR RANGE (1):1-8

L12 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI ToF-SIMS and XPS surface characterization of novel perfluoropolyether-  
urethane ionomers from aqueous dispersions

L12 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Preparation of noble metal nanoparticles in supercritical carbon dioxide

L12 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Polyurethanes having a low friction coefficient

L12 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Emulsifying system for a whitening cosmetic compositions containing  
ethoxylated alcohols

L12 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Perfluoro polyethers containing active chlorine

L12 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Paste-type denture stabilizers easily removable from denture bases

L12 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Cosmetic or dermatological composition in the form of an oil-in-water  
dispersion capable of forming composite films.

L12 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI High functionality compositions based on fluorinated and silanized  
polyisocyanates for coating varnishes

=> d 112 3,5,8 ti fbib abs

L12 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Polyurethanes having a low friction coefficient  
AN 2001:900148 CAPLUS  
DN 136:38079  
TI Polyurethanes having a low friction coefficient  
IN Scicchitano, Massimo; Trombetta, Tania; Turri, Stefano  
PA Ausimont S.p.A., Italy  
SO Eur. Pat. Appl., 19 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1162220	A1	20011212	EP 2001-113060	20010529

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

IT 1318558	B1	20030827	IT 2000-MI1268	A	20000608
JP 2002030294	A2	20020131	IT 2000-MI1268		20000608
			JP 2001-173142		20010607
			IT 2000-MI1268	A	20000608
US 2002016267	A1	20020207	US 2001-875980		20010608
US 6579835	B2	20030617			

IT 2000-MI1268 A 20000608

AB Use of fluorinated polyurethanes thermally crosslinkable for obtaining coatings having an improved friction coefficient for the dry lubrication of rubbers, plastics, metals, glass, said polyurethanes obtainable from aqueous dispersions of cationic oligourethanes having a mol. weight  $\leq 9,000$ , formed by: (a) polyisocyanates, having NCO functionality higher than 2, (b) bifunctional hydrogenated monomers, (c) bifunctional hydroxylated (per)fluoropolyethers, (e) monofunctional hydroxyl or carboxylic (per)fluoropolyethers or monofunctional hydroxyl (per)fluoroalkanes optionally: (d) hydrogenated monomers by which it is possible to insert a crosslinkable chemical function in the oligourethane; (d') hydrogen-active compds., able to form with the NCO functions thermolabile bonds. Thus, 400 g Vestanat T 1890/100 in 400 g anhydrous Et **acetate** was heated to  $\leq 70^\circ$  and mixed with 2,5 mL of solution at 20 weight% of Fascat 4224, 55.07 g dimethylaminopropanol, and 117 g perfluoropolyether diol **Fomblin** ZDOL diluted with 297 g anhydrous Et **acetate** and reacted for 30 min in the presence of 38.49 g acetic acid dissolved in 162 g N-methylpyrrolidinone followed by addition of 3.8 kg water to give a cationic polyurethane used in the treatment of EPDM giving samples with friction coefficient (ASTM D 1894-78) 0.30-0.40, adhesion 100%, and water resistance >200 double strokes.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Perfluoro polyethers containing active chlorine  
AN 1998:314786 CAPLUS  
DN 129:16985  
TI Perfluoro polyethers containing active chlorine  
IN Kuzumaki, Yoshihiro  
PA NOK Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10130385	A2	19980519	JP 1996-299286	19961024
				JP 1996-299286	19961024

AB The perfluoro polyethers, useful as vulcanizing agents for acrylic elastomers containing active Cl, are  $\text{ClCH}_2\text{CO}_2(\text{C}_2\text{H}_4\text{O})_i\text{CH}_2\text{CF}_2(\text{OC}_2\text{F}_4)_p(\text{OCF}_2)_q\text{OCF}_2\text{CH}_2(\text{OC}_2\text{H}_4)_j\text{OCOCH}_2\text{Cl}$  ( $i, j = 0-3$ ;  $p = 4-8$ ;  $q = 10-20$ ) or  $\text{ClCH}_2\text{CO}_2[[\text{CH}_2(\text{CF}_2)_k\text{CH}_2][\text{OCO}(\text{CH}_2)_m\text{CO}_2]]_n\text{CH}_2(\text{CF}_2)_k\text{CH}_2\text{OCOCH}_2\text{Cl}$  ( $k = 2-10$ ;  $m = 2-4$ ;  $n = 2-5$ ). Thus, 200 parts **Fomblin** Z Dol (polyfluoro polyether) was reacted with 25 parts  $\text{ClCOCH}_2\text{Cl}$  to give 77%  $\text{ClCH}_2\text{CO}_2\text{CH}_2\text{CF}_2(\text{OC}_2\text{F}_4)_p(\text{OCF}_2)_q\text{OCF}_2\text{CH}_2\text{OCOCH}_2\text{Cl}$  ( $p/q = 0.6-0.7$ ), 1 part of which was used for vulcanizing with 100 parts of 55:22:21:2 Et acrylate-Bu acrylate-2-methoxyethyl acrylate-vinylchloro **acetate** elastomer and 0.3 part S.

L12 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN  
TI High functionality compositions based on fluorinated and silanized polyisocyanates for coating varnishes  
AN 1988:188565 CAPLUS

DN 108:188565  
 TI High functionality compositions based on fluorinated and silanized polyisocyanates for coating varnishes  
 IN Federici, Franco; Pin, Giorgio; Cozzi, Ennio; Trovati, Aldo  
 PA Montedison S.p.A., Italy  
 SO Eur. Pat. Appl., 9 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 251334	A1	19880107	EP 1987-109618	19870703
	EP 251334	B1	19911023		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	ZA 8704691	A	19880427	IT 1986-21020	19860703
				ZA 1987-4691	19870629
				IT 1986-21020	19860703
	AU 8775018	A1	19880107	AU 1987-75018	19870701
	AU 592653	B2	19900118		
				IT 1986-21020	19860703
	JP 63092631	A2	19880423	JP 1987-162534	19870701
				IT 1986-21020	19860703
	US 4851475	A	19890725	US 1987-69028	19870701
				IT 1986-21020	19860703
	DK 8703397	A	19880104	DK 1987-3397	19870702
				IT 1986-21020	19860703
	NO 8702774	A	19880104	NO 1987-2774	19870702
	NO 169548	B	19920330		
	NO 169548	C	19920708		
				IT 1986-21020	19860703
	CA 1318445	A1	19930525	CA 1987-541023	19870702
				IT 1986-21020	19860703
	ES 2027262	T3	19920601	ES 1987-109618	19870703
				IT 1986-21020	19860703

AB Varnish films with high water repellancy, low critical surface tension and low coefficient of friction, useful as toxic compound-free antifouling coatings (no data), are prepared from products of diisocyanates, hydroxy-terminated perfluoropolyethers, and hydroxy-terminated alkoxyated siloxanes. Heating **Fomblin** ZDOL [ $\alpha$ ,w-bis(hydroxymethyl)poly(oxyperfluoroalkylene)] 59.56, isophorone diisocyanate 45.83, Cellosolve **acetate** 20, and catalyst 0.06 g to 73° in 30 min, heating at 80° for 30 min, adding 4.86 g DOW Q 43667 (hydroxy-terminated ethoxylated di-Me siloxane; mol. weight 2000) and catalysts, heating at 80° for 1 h, cooling to 55° and adding 9.75 g trimethylolpropane, heating at 80° for 4 h, and diluting with cellosolve **acetate** gave solution with NCO content 2.25%, which, as a dried film, had contact angle 108°, friction coefficient 0.28, and Sward hardness 57.

=> sodium acetate  
 941779 SODIUM  
 34 SODIUMS  
 941788 SODIUM  
 (SODIUM OR SODIUMS)  
 473897 ACETATE  
 27057 ACETATES  
 484931 ACETATE  
 (ACETATE OR ACETATES)  
 L13 12717 SODIUM ACETATE  
 (SODIUM(W)ACETATE)

=> d his

(FILE 'HOME' ENTERED AT 07:35:20 ON 24 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:35:26 ON 24 AUG 2004

FILE 'CAPLUS' ENTERED AT 07:35:53 ON 24 AUG 2004

L1 218 PERFLUORINATED POLYETHER  
L2 529261 CARBOX?  
L3 19 L1 AND L2  
L4 484931 ACETATE  
L5 1 L3 AND L4  
L6 0 LO1 AND L4  
L7 8 L1 AND L4  
L8 7 L7 NOT L5  
L9 0 99LOGOFF HOLD  
L10 1101 FOMBLIN  
L11 26 L4 AND L10  
L12 8 L4(L)L10  
L13 12717 SODIUM ACETATE

=> l10 and l13

L14 0 L10 AND L13

=> sodium formate

941779 SODIUM  
34 SODIUMS  
941788 SODIUM  
(SODIUM OR SODIUMS)  
37751 FORMATE  
3347 FORMATES  
38995 FORMATE  
(FORMATE OR FORMATES)  
L15 2985 SODIUM FORMATE  
(SODIUM(W) FORMATE)

=> l10 and l15

L16 1 L10 AND L15

=> d l16 ti fbib abs

L16 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

TI Halopolymers stabilized with ionomers

AN 1994:657187 CAPLUS

DN 121:257187

TI Halopolymers stabilized with ionomers

IN Chen, Chii-Shu; Chapoy, L. Lawrence

PA Ausimont, U.S.A., Inc., USA

SO U.S., 8 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5328948	A	19940712	US 1992-948599	19920923
				US 1992-948599	19920923

OS MARPAT 121:257187

AB A stable composition comprises an ethylene-chlorotrifluoroethylene copolymer, an effective stabilizing amount of an ionomer, and an effective stabilizing amount of  $\geq 1$  conventional antioxidant such as a phosphite of an organic polyhydric phenol, a thio ester, or a hindered phenol. Preferred ionomers are metal salts of ethylene-acrylic acid copolymers and metal salts of

sulfonated polystyrenes. The stabilized halopolymers have improved resistance to thermal degradation and suffer less discoloration when subjected to high melt-processing or extrusion-molding temps. Halar E/CTFE containing Mark 260 0.375, AClyn 276A 0.606, and powdered PTFE 3.000 phr gave a colorimetric measurement of 70.8 (on a scale of black = 0, white = 100) after being molded 200 s at 290°, vs. 58.5 with 0.375 phr Mark 260 as the only stabilizer.

=> perfluoropolyether

1604 PERFLUOROPOLYETHER  
629 PERFLUOROPOLYETHERS  
L17 1799 PERFLUOROPOLYETHER  
(PERFLUOROPOLYETHER OR PERFLUOROPOLYETHERS)

=> d his

(FILE 'HOME' ENTERED AT 07:35:20 ON 24 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:35:26 ON 24 AUG 2004

FILE 'CAPLUS' ENTERED AT 07:35:53 ON 24 AUG 2004

L1 218 PERFLUORINATED POLYETHER  
L2 529261 CARBOX?  
L3 19 L1 AND L2  
L4 484931 ACETATE  
L5 1 L3 AND L4  
L6 0 L01 AND L4  
L7 8 L1 AND L4  
L8 7 L7 NOT L5  
L9 0 99LOGOFF HOLD  
L10 1101 FOMBLIN  
L11 26 L4 AND L10  
L12 8 L4(L)L10  
L13 12717 SODIUM ACETATE  
L14 0 L10 AND L13  
L15 2985 SODIUM FORMATE  
L16 1 L10 AND L15  
L17 1799 PERFLUOROPOLYETHER

=> l13 and l17

L18 0 L13 AND L17

=> l4 and l17

L19 26 L4 AND L17

=> l4(l)l17

L20 13 L4(L)L17

=> d l20 1-13 ti

L20 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Coatings based on perfluoropolyethers and use with good stain release

L20 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
TI ToF-SIMS and XPS surface characterization of novel perfluoropolyether-urethane ionomers from aqueous dispersions

L20 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Fluorinated Matrix Approach for the Characterization of Hydrophobic Perfluoropolyethers by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight MS



L20 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Polyurethanes having a low friction coefficient

L20 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Small-angle neutron scattering studies of water-in-carbon dioxide microemulsions

L20 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Formation of Water-in-Carbon Dioxide Microemulsions with a Cationic Surfactant: A Small-Angle Neutron Scattering Study

L20 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Magnetic fluid seals for organic solvents

L20 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Perfluoropolyether-based protective coatings

L20 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Paste-type denture stabilizers easily removable from denture bases

L20 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Transfer-resistant lip compositions containing waxes and oils

L20 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Interfacial properties and emulsification in systems of perfluoropolyether/non-fluorinated oil/partially fluorinated oligomeric and polymeric compounds

L20 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Synthesis of poly(ethylene terephthalate) in the presence of perfluoropolyethers. II. Effect of various catalysts

L20 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI High functionality compositions based on fluorinated and silanized polyisocyanates for coating varnishes

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	127.83	128.46
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-12.60	-12.60

SESSION WILL BE HELD FOR 60 MINUTES  
 STN INTERNATIONAL SESSION SUSPENDED AT 08:49:59 ON 24 AUG 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
 SESSION RESUMED IN FILE 'CAPLUS' AT 08:52:09 ON 24 AUG 2004  
 FILE 'CAPLUS' ENTERED AT 08:52:09 ON 24 AUG 2004  
 COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	127.83	128.46
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-12.60	-12.60

=> d his

(FILE 'HOME' ENTERED AT 07:35:20 ON 24 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:35:26 ON 24 AUG 2004

FILE 'CAPLUS' ENTERED AT 07:35:53 ON 24 AUG 2004

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L1      218 PERFLUORINATED POLYETHER
L2      529261 CARBOX?
L3      19 L1 AND L2
L4      484931 ACETATE
L5      1 L3 AND L4
L6      0 L01 AND L4
L7      8 L1 AND L4
L8      7 L7 NOT L5
L9      0 99LOGOFF HOLD
L10     1101 FOMBLIN
L11     26 L4 AND L10
L12     8 L4(L)L10
L13     12717 SODIUM ACETATE
L14     0 L10 AND L13
L15     2985 SODIUM FORMATE
L16     1 L10 AND L15
L17     1799 PERFLUOROPOLYETHER
L18     0 L13 AND L17
L19     26 L4 AND L17
L20     13 L4(L)L17

```

=> salif?

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L21     1345 SALIF?

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=> 110(1)121

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L22     2 L10(L)L21

```

=> d 122 1-2 ti fbib abs

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L22 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
TI Novel branched fluorinated oligourethane cationomers for low surface
   tension treatments
AN 2004:517215 CAPLUS
TI Novel branched fluorinated oligourethane cationomers for low surface
   tension treatments
AU Trombetta, Tania; Turri, Stefano; Levi, Marinella
CS Bollate, 20021, Italy
SO Progress in Colloid & Polymer Science (2004), 124, 47-53
   CODEN: PCPSD7; ISSN: 0340-255X
PB Springer
DT Journal
LA English
AB Novel branched cationic fluorinated oligourethanes were obtained by a
   two-step addition synthesis between aliphatic polyisocyanates containing, as a
   core
   structure, isocyanurate rings, N,N-dialkyaminoalcs., and bifunctional
   perfluoropolyether (PFPE) diols having the following structure:

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HOCH<sub>2</sub>CF<sub>2</sub>(OCF<sub>2</sub>CF<sub>2</sub>)<sub>p</sub>(OCF<sub>2</sub>)<sub>q</sub>OCF<sub>2</sub>CH<sub>2</sub>OH (**Fomblin ZDOL**). After completing the polymerization (NCO/OH=0.50 to 0.91), the oligourethanes were **salified** with acetic acid and dispersed in water. The oligourethanes were characterized by <sup>19</sup>F-NMR spectroscopy, chemical titration, and GPC anal. The aqueous dispersion was analyzed by dynamic LLS for the determination of the average particle size. The oligourethane dispersions were cast on hard surfaces (aluminum and glass) and cured at 150-180 °C for a few minutes, resulting in 2-5 μm thick homogeneous films. Crosslinking was proven by chemical resistance test (solvent double rub test) and FT-IR spectroscopy. It was observed that the oligourethane is capable of thermal crosslinking due to the reaction between free OH and dialkylaminourethanes, which effectively act as blocking agent (latent NCO functions). Surface properties of the novel PFPE-based oligourethane cationomers were evaluated by static contact angle measurements against both water and n-hexadecane.

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN  
TI Aqueous dispersions of fluorinated polyurethanes  
AN 1993:562521 CAPLUS  
DN 119:162521  
TI Aqueous dispersions of fluorinated polyurethanes  
IN Cozzi, Ennio; Guidetti, Viviana; Palazzi, Sergio  
PA Syremont S.p.A., Italy  
SO Eur. Pat. Appl., 13 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 533159	A1	19930324	EP 1992-115930	19920917
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, PT, SE				
	JP 06316616	A2	19941115	IT 1991-MI2455	19910917
				JP 1992-246551	19920916
				IT 1991-MI2455	19910917
	CA 2078523	AA	19930318	CA 1992-2078523	19920917
				IT 1991-MI2455	19910917
AB	Stable aqueous dispersions of elastomeric fluorinated polyurethanes having high mol. weight and high F content and containing anionic or cationic groups are prepared by reacting a diisocyanate with a mixture of diols containing ionizable groups, macropolyols, and ≥35 wt% of ≥1 OH-terminated fluoropolyether to give fluorinated polyisocyanate (I); <b>salification</b> of I to change ionizable groups to cationic or anionic groups; dispersion in H <sub>2</sub> O of <b>salified</b> I; and reaction of the latter with diamine. The fluorinated polyurethanes are used in emulsion or as bulk dried products at low temperature for treating buildings and stone and fibrous materials. Thus, a product was prepared by reaction of α,ω-bis(hydroxymethyl)polyoxyperfluoroalkylene ( <b>Fomblin Z-DOL</b> 2000; mol. weight 2000), isophorone diisocyanate, Dowanol PMA, Bu <sub>2</sub> Sn dilaurate, dimethylolpropionic acid, Terathane (mol. weight 2900) to NCO content 1.9%, Et <sub>3</sub> N and H <sub>2</sub> O were added, and isophoronediamine in H <sub>2</sub> O was added to give a dispersion with 31.1% solids and F content 36.2%; the product showed Shore A hardness 96, breaking strength 272 kg/cm <sup>2</sup> , and elongation 540%.				

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	141.79	142.42
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-14.00	-14.00

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 09:01:58 ON 24 AUG 2004

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Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'CAPLUS' AT 09:12:57 ON 24 AUG 2004  
FILE 'CAPLUS' ENTERED AT 09:12:57 ON 24 AUG 2004  
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	141.79	142.42
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-14.00	-14.00

=> d his

(FILE 'HOME' ENTERED AT 07:35:20 ON 24 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:35:26 ON 24 AUG 2004

FILE 'CAPLUS' ENTERED AT 07:35:53 ON 24 AUG 2004

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L1      218 PERFLUORINATED POLYETHER
L2      529261 CARBOX?
L3      19 L1 AND L2
L4      484931 ACETATE
L5      1 L3 AND L4
L6      0 L01 AND L4
L7      8 L1 AND L4
L8      7 L7 NOT L5
L9      0 99LOGOFF HOLD
L10     1101 FOMBLIN
L11     26 L4 AND L10
L12     8 L4(L)L10
L13     12717 SODIUM ACETATE
L14     0 L10 AND L13
L15     2985 SODIUM FORMATE
L16     1 L10 AND L15
L17     1799 PERFLUOROPOLYETHER
L18     0 L13 AND L17
L19     26 L4 AND L17
L20     13 L4(L)L17
L21     1345 SALIF?
L22     2 L10(L)L21

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=> 14(1)121

L23 43 L4(L)L21

=> 117 and 123

L24 0 L17 AND L23

=> d 123 33-43 ti

L23 ANSWER 33 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Silver halide photographic emulsion

L23 ANSWER 34 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Amine micelle formation in saliferous solutions

L23 ANSWER 35 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Kinetics of ester hydrolysis catalyzed by fixed bed ion-exchange resins

L23 ANSWER 36 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Improving the dyeability of fibers, films, and molded products

L23 ANSWER 37 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI A new azo dye

L23 ANSWER 38 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI  $\beta$ -Dialdehydes. II. Benzoylmalonaldehyde

L23 ANSWER 39 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Crystallizing lacquer

L23 ANSWER 40 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Unsaturated chromophores. II. The effect of the ketovinyl chain on the color of the metal salts of hydroxyvinyl ketones. 1. Salts of disalicylalacetone

L23 ANSWER 41 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Diazoamino compounds. II

L23 ANSWER 42 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI  $\gamma$ -Triazines. XXVI. Dihydroxytriazinylformaldoxime and its salts

L23 ANSWER 43 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Some hydroxyquinone complexes. II

=> d 123 22-32 ti

L23 ANSWER 22 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Manufacture of form I of anhydrous terazosin monohydrochloride from the free base

L23 ANSWER 23 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Process for the preparation of sterile  $\beta$ -lactam antibiotics

L23 ANSWER 24 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Preparation of (alkenoyloxymethyl)cephalosporins as antibacterials

L23 ANSWER 25 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI process for the preparation of racemic or optically active 1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid from 1,2-bis(halomethyl)benzene and (acetylamino)malonate

L23 ANSWER 26 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Preparation of N-aminoalkyl 3,4- or 4,5-diphenylpyrazole-1-acetamides and related compounds as antiarrhythmics

L23 ANSWER 27 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI 1-Methyl-2-(phenylthiomethyl)-3-(carbethoxy)-4-(dimethylaminomethyl)-5-hydroxy-6-bromoindole hydrochloride having antiviral activity and method for preparing it

L23 ANSWER 28 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Preparation of disodium cromoglycate via ester hydrolysis using amines

L23 ANSWER 29 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Indolo[3,2,1-de][1,4] oxazino[2,3,4-ij][1,5]naphthyridine derivatives useful as analgesics, antianoxics, etc., and their preparation, intermediates, use as medicaments, and compositions

L23 ANSWER 30 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Preparation of substituted-8-alkenyl-1,3,4,9-tetrahydropyrano-[3,4-b]indole-1-acetic acids as analgesics and antiinflammatories

L23 ANSWER 31 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Aqueous dispersions of fluorinated polyurethanes and their use for textile coatings

L23 ANSWER 32 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Process for the preparation of the zinc salt of hydrocortisone hemisuccinate, a new corticosteroid with immunomodulating properties

=> d l23 31 ti fbib abs

L23 ANSWER 31 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Aqueous dispersions of fluorinated polyurethanes and their use for textile coatings  
 AN 1988:612326 CAPLUS  
 DN 109:212326  
 TI Aqueous dispersions of fluorinated polyurethanes and their use for textile coatings  
 IN Zavatteri, Ignazio; Gambini, Tiziana  
 PA Ausimont S.p.A., Italy; Larac S.p.A.  
 SO Eur. Pat. Appl., 15 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 273449	A1	19880706	EP 1987-119332	19871229
	EP 273449	B1	19920311		
	R: BE, CH, DE, ES, FR, GB, LI, NL				
	JP 63295616	A2	19881202	IT 1986-22883	A 19861230
	JP 2540572	B2	19961002	JP 1987-324226	19871223
				IT 1986-22883	A 19861230
	ES 2030048	T3	19921016	ES 1987-119332	19871229
				IT 1986-22883	A 19861230
	CA 1319220	A1	19930615	CA 1987-555530	19871229
				IT 1986-22883	A 19861230
	KR 9704930	B1	19970410	KR 1987-15475	19871230
				IT 1986-22883	A 19861230
	US 4983666	A	19910108	US 1990-467324	19900122
				IT 1986-22883	A 19861230
				US 1987-137358	B1 19871222

US 5068135	A	19911126	US 1990-596824	19901012
			IT 1986-22883	A 19861230
			US 1987-137358	B1 19871222
JP 08325951	A2	19961210	US 1990-467342	A3 19900122
			JP 1996-19977	19960206
			IT 1986-22883	A 19861230
			JP 1987-324226	A3 19871223
KR 9707320	B1	19970507	KR 1997-3540	19970205
			IT 1986-22883	A 19861230
			KR 1987-15475	A3 19871230

AB Stable aqueous dispersions of fluorinated polyurethanes containing anionic and cationic groups, used for coating of textiles, are manufactured by preparation of a fluorinated polyisocyanate, by reaction of an organic diisocyanate and a mixture of diols containing ionizable groups and macroglycols comprising polyols

and  $\geq 1\%$  of  $\geq 1$  hydroxy- and/or carboxy-endcapped fluoropolyether, **salification** of the fluorinated polyisocyanate to convert the ionizable groups to cations or anions, and dispersion and chain extension of the **salified** polyisocyanate in H<sub>2</sub>O. An isocyanate-capped prepolymer was prepared from  $\alpha, \omega$ -bis(hydroxymethyl) polyoxyperfluoroalkylene (mol. weight 2000) and TDI in cellosolve **acetate**. The polymer was treated with polyoxytetramethylene glycol (mol. weight 100), dimethylolpropionic acid, and hexamethylene diisocyanate to give a product with 3.1 weight% free isocyanate group. This product was treated with dimethylethanolamine in acetone, mixed with H<sub>2</sub>O, and stripped of acetone distilled to give a milky, low viscosity product. A thickened dispersion containing 15% of this product was coated on a nylon fabric at 23 g/m<sup>2</sup> to give a fabric with spray test value 90, impermeability to a 2 m water column >24 h, and water vapor permeability 93 ng/s-m<sup>2</sup>-Pa, compared to 50, 0, 818, resp., for a nylon fabric coated at 23 g/m<sup>2</sup> for a similar polymer not containing a polyoxyperfluoro compound

=> d his

(FILE 'HOME' ENTERED AT 07:35:20 ON 24 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:35:26 ON 24 AUG 2004

FILE 'CAPLUS' ENTERED AT 07:35:53 ON 24 AUG 2004

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L1      218 PERFLUORINATED POLYETHER
L2      529261 CARBOX?
L3      19 L1 AND L2
L4      484931 ACETATE
L5      1 L3 AND L4
L6      0 L01 AND L4
L7      8 L1 AND L4
L8      7 L7 NOT L5
L9      0 99LOGOFF HOLD
L10     1101 FOMBLIN
L11     26 L4 AND L10
L12     8 L4(L)L10
L13     12717 SODIUM ACETATE
L14     0 L10 AND L13
L15     2985 SODIUM FORMATE
L16     1 L10 AND L15
L17     1799 PERFLUOROPOLYETHER
L18     0 L13 AND L17
L19     26 L4 AND L17
L20     13 L4(L)L17
L21     1345 SALIF?

```

L22 2 L10(L)L21  
L23 43 L4(L)L21  
L24 0 L17 AND L23

=> l13 and l23

L25 1 L13 AND L23

=> d l25

L25 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1991:471400 CAPLUS

DN 115:71400

TI Preparation of disodium cromoglycate via ester hydrolysis using amines

IN Dahlstrom, Mikael Ulf Johan

PA Orion-Yhtyma Oy Fermion, Finland

SO Finn., 14 pp.

CODEN: FIXXAP

DT Patent

LA Finnish

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	FI 83311	B	19910315	FI 1988-3897	19880824
	FI 8803897	A	19900225		
	FI 83311	C	19910625		
PRAI	FI 1988-3897		19880824		

=> d l23 11-21 ti

L23 ANSWER 11 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Salification and precipitation process for preparing sertraline hydrochloride polymorphic form II

L23 ANSWER 12 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Procedure for the production of nitrogen-substituted hydroxylamines and their carboxylic acid salts by the acid hydrolysis of aryl or heteroaryloxaziridines

L23 ANSWER 13 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Synthesis and antibacterial activity of C-2 sulfur-bridged tetracyclofluoroquinolone antibacterial agent W1

L23 ANSWER 14 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Process for the preparation of insoluble complex antibiotic fatty alkyl sulfate salts of 6-fluoro-4-quinolinone-3-carboxylic acids

L23 ANSWER 15 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Process for preparing beta-adrenoceptor agonists by combination and disconnection method

L23 ANSWER 16 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Salification process for the production of epinastine hydrochloride in the high-melting crystal modification

L23 ANSWER 17 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI **Salification** process for the preparation of an **acetate** salt of paroxetine or paroxetine analogs

L23 ANSWER 18 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Cyclocondensation preparation of 3-phenyl-1,4-oxazin-2-ones

L23 ANSWER 19 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN



TI Preparation of the analgesic tilidine mesylate

L23 ANSWER 20 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Preparation of new thio- and dithiocarbonates and their salts as drugs

L23 ANSWER 21 OF 43 CAPLUS COPYRIGHT 2004 ACS on STN

TI Process for the preparation of fluoxetine and its addition salts

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	160.03	160.66
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-14.70	-14.70

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 09:18:53 ON 24 AUG 2004

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LOGINID:SSSPTA1623PAZ

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'CAPLUS' AT 10:12:45 ON 24 AUG 2004  
FILE 'CAPLUS' ENTERED AT 10:12:45 ON 24 AUG 2004  
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	160.03	160.66
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-14.70	-14.70

=> file reh

'REH' IS NOT A VALID FILE NAME

SESSION CONTINUES IN FILE 'CAPLUS'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	161.35	161.98
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-14.70	-14.70

FILE 'REGISTRY' ENTERED AT 10:14:22 ON 24 AUG 2004

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STRUCTURE FILE UPDATES: 23 AUG 2004 HIGHEST RN 731771-88-3  
DICTIONARY FILE UPDATES: 23 AUG 2004 HIGHEST RN 731771-88-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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conducting SmartSELECT searches.

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Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e fomblin/cn

E1	1	FOMARK/CN
E2	1	FOMATIDINE/CN
E3	1 -->	FOMBLIN/CN
E4	1	FOMBLIN 15HP/CN
E5	1	FOMBLIN 16/6/CN
E6	1	FOMBLIN 18/8/CN
E7	1	FOMBLIN 225/CN
E8	1	FOMBLIN 27HP/CN
E9	1	FOMBLIN 5027X/CN
E10	1	FOMBLIN 5028X/CN
E11	1	FOMBLIN AM 2000/CN
E12	1	FOMBLIN AM 2001/CN

=> e fomblin z/cn

E1	1	FOMBLIN YR 1800/CN
E2	1	FOMBLIN YU/CN
E3	1 -->	FOMBLIN Z/CN
E4	1	FOMBLIN Z 03/CN
E5	1	FOMBLIN Z 04/CN
E6	1	FOMBLIN Z 15/CN
E7	1	FOMBLIN Z 15, POLYMER WITH 1,4-BENZENEDICARBOXYLIC ACID AND 1,2-ETHANEDIOL, BLOCK/CN
E8	1	FOMBLIN Z 1600/CN
E9	1	FOMBLIN Z 25/CN
E10	1	FOMBLIN Z 25P151/CN
E11	1	FOMBLIN Z 25P28/CN
E12	1	FOMBLIN Z 260/CN

=> e3

L26 1 "FOMBLIN Z"/CN

=> d 126

L26 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 64772-82-3 REGISTRY  
CN **Fomblin Z (9CI)** (CA INDEX NAME)  
ENTE An  $\alpha,\omega$ -bis(hydroxymethyl)poly[oxy(perfluoroalkylene)]  
(Montedison, S.p.A., Milan, Italy)  
MF Unspecified  
CI PMS, MAN  
PCT Manual registration

LC STN Files: BIOSIS, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, PIRA, TOXCENTER,  
 USPAT2, USPATFULL, VTB  
 DT.CA Caplus document type: Conference; Journal; Patent; Report  
 RL.P Roles from patents: BIOL (Biological study); PROC (Process); RACT  
 (Reactant or reagent); USES (Uses)  
 RLD.P Roles for non-specific derivatives from patents: USES (Uses)  
 RL.NP Roles from non-patents: ANST (Analytical study); PREP (Preparation);  
 PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES  
 (Uses)  
 RLD.NP Roles for non-specific derivatives from non-patents: PROC (Process);  
 PRP (Properties); RACT (Reactant or reagent); USES (Uses)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

83 REFERENCES IN FILE CA (1907 TO DATE)  
 9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 83 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e krytox/cn

E1	1	KRYTENAR 390/CN
E2	1	KRYTON SUPEROXIDE (KR(O2))/CN
E3	0 -->	KRYTOX/CN
E4	1	KRYTOX 104/CN
E5	1	KRYTOX 107/CN
E6	1	KRYTOX 140/CN
E7	1	KRYTOX 142AB/CN
E8	1	KRYTOX 143/CN
E9	1	KRYTOX 143A/CN
E10	1	KRYTOX 143AA/CN
E11	1	KRYTOX 143AB/CN
E12	1	KRYTOX 143AC/CN

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	9.56	171.54
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-14.70

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FILE COVERS 1907 - 24 Aug 2004 VOL 141 ISS 9  
 FILE LAST UPDATED: 23 Aug 2004 (20040823/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> krytox  
L27 379 KRYTOX

=> demnum  
L28 210 DEMNUM

=> d hsi  
'HSI' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB  
ALL ----- BIB, AB, IND, RE  
APPS ----- AI, PRAI  
BIB ----- AN, plus Bibliographic Data and PI table (default)  
CAN ----- List of CA abstract numbers without answer numbers  
CBIB ----- AN, plus Compressed Bibliographic Data  
DALL ----- ALL, delimited (end of each field identified)  
DMAX ----- MAX, delimited for post-processing  
FAM ----- AN, PI and PRAI in table, plus Patent Family data  
FBIB ----- AN, BIB, plus Patent FAM  
IND ----- Indexing data  
IPC ----- International Patent Classifications  
MAX ----- ALL, plus Patent FAM, RE  
PATS ----- PI, SO  
SAM ----- CC, SX, TI, ST, IT  
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;  
SCAN must be entered on the same line as the DISPLAY,  
e.g., D SCAN or DISPLAY SCAN)  
STD ----- BIB, IPC, and NCL  
  
IABS ----- ABS, indented with text labels  
IALL ----- ALL, indented with text labels  
IBIB ----- BIB, indented with text labels  
IMAX ----- MAX, indented with text labels  
ISTD ----- STD, indented with text labels  
  
OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels  
  
SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations  
  
HIT ----- Fields containing hit terms  
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
containing hit terms  
HITRN ----- HIT RN and its text modification  
HITSTR ----- HIT RN, its text modification, its CA index name, and  
its structure diagram  
HITSEQ ----- HIT RN, its text modification, its CA index name, its  
structure diagram, plus NTE and SEQ fields  
FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
its structure diagram  
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
structure diagram, plus NTE and SEQ fields  
KWIC ----- Hit term plus 20 words on either side  
OCC ----- Number of occurrence of hit term and field in which it occurs

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All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):end

=> d his

(FILE 'HOME' ENTERED AT 07:35:20 ON 24 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:35:26 ON 24 AUG 2004

FILE 'CAPLUS' ENTERED AT 07:35:53 ON 24 AUG 2004

L1 218 PERFLUORINATED POLYETHER

L2 529261 CARBOX?

L3 19 L1 AND L2

L4 484931 ACETATE

L5 1 L3 AND L4

L6 0 L01 AND L4

L7 8 L1 AND L4

L8 7 L7 NOT L5

L9 0 99LOGOFF HOLD

L10 1101 FOMBLIN

L11 26 L4 AND L10

L12 8 L4(L)L10

L13 12717 SODIUM ACETATE

L14 0 L10 AND L13

L15 2985 SODIUM FORMATE

L16 1 L10 AND L15

L17 1799 PERFLUOROPOLYETHER

L18 0 L13 AND L17

L19 26 L4 AND L17

L20 13 L4(L)L17

L21 1345 SALIF?

L22 2 L10(L)L21

L23 43 L4(L)L21

L24 0 L17 AND L23

L25 1 L13 AND L23

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E FOMBLIN/CN

E FOMBLIN Z/CN

L26 1 E3

E KRYTOX/CN

FILE 'CAPLUS' ENTERED AT 10:19:24 ON 24 AUG 2004

L27 379 KRYTOX

L28 210 DEMNUM

=> 110 or 127 or 128

L29 1459 L10 OR L27 OR L28

=> 113 and 129

L30 0 L13 AND L29

=> 121 and 129

L31 3 L21 AND L29

=> d 131 1-3

L31 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:517215 CAPLUS  
TI Novel branched fluorinated oligourethane cationomers for low surface  
tension treatments  
AU Trombetta, Tania; Turri, Stefano; Levi, Marinella  
CS Bollate, 20021, Italy  
SO Progress in Colloid & Polymer Science (2004), 124, 47-53  
CODEN: PCPSD7; ISSN: 0340-255X  
PB Springer  
DT Journal  
LA English  
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1993:562521 CAPLUS  
DN 119:162521  
TI Aqueous dispersions of fluorinated polyurethanes  
IN Cozzi, Ennio; Guidetti, Viviana; Palazzi, Sergio  
PA Syremont S.p.A., Italy  
SO Eur. Pat. Appl., 13 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 533159	A1	19930324	EP 1992-115930	19920917
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, PT, SE				
	JP 06316616	A2	19941115	JP 1992-246551	19920916
	CA 2078523	AA	19930318	CA 1992-2078523	19920917
PRAI	IT 1991-MI2455		19910917		

L31 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1988:612326 CAPLUS  
DN 109:212326  
TI Aqueous dispersions of fluorinated polyurethanes and their use for textile  
coatings  
IN Zavatteri, Ignazio; Gambini, Tiziana  
PA Ausimont S.p.A., Italy; Larac S.p.A.  
SO Eur. Pat. Appl., 15 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 273449	A1	19880706	EP 1987-119332	19871229
	EP 273449	B1	19920311		
	R: BE, CH, DE, ES, FR, GB, LI, NL				
	JP 63295616	A2	19881202	JP 1987-324226	19871223
	JP 2540572	B2	19961002		
	ES 2030048	T3	19921016	ES 1987-119332	19871229
	CA 1319220	A1	19930615	CA 1987-555530	19871229
	KR 9704930	B1	19970410	KR 1987-15475	19871230
	US 4983666	A	19910108	US 1990-467324	19900122
	US 5068135	A	19911126	US 1990-596824	19901012
	JP 08325951	A2	19961210	JP 1996-19977	19960206
	KR 9707320	B1	19970507	KR 1997-3540	19970205
PRAI	IT 1986-22883	A	19861230		
	US 1987-137358	B1	19871222		

JP 1987-324226	A3	19871223
KR 1987-15475	A3	19871230
US 1990-467342	A3	19900122

=> file scisearch  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
17.38	188.92

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-14.70

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FILE COVERS 1974 TO 20 Aug 2004 (20040820/ED)

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537429 119/RVL  
710 9810/RPG

L32 0 VINH DOAN R K/RAU(S)119/RVL(S)9810/RPG

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537429 119/RVL  
710 9810/RPG

L33 0 VINH DOAN R K/RAU (S) 119/RVL (S) 9810/RPG

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537429 119/RVL  
710 9810/RPG

L34 0 VINH DOAN/RAU (S) 119/RVL (S) 9810/RPG

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2 DOAN/RAU  
537429 119/RVL  
710 9810/RPG

L35 0 DOAN/RAU (S) 119/RVL (S) 9810/RPG

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537429 119/RVL  
710 9810/RPG

L36 0 VINHDOAN/RAU (S) 119/RVL (S) 9810/RPG

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2193 KASAI P H/RAU  
537429 119/RVL  
710 9810/RPG

L37 0 KASAI P H/RAU (S) 119/RVL (S) 9810/RPG

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
16.48	205.40

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-14.70

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FILE COVERS 1907 - 24 Aug 2004 VOL 141 ISS 9  
FILE LAST UPDATED: 23 Aug 2004 (20040823/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.88	206.28

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-14.70

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STN INTERNATIONAL SESSION SUSPENDED AT 10:39:36 ON 24 AUG 2004